



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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JUL 25 2003
TC 1700

4/2
1/29
8/13/3

In re Patent Application of

MURATA et al.

Atty. Ref.: 249-174

Serial No. 09/813,967

Group: 1746

Filed: March 22, 2001

Examiner: Winter

For: ELECTRODE FOR ALKALINE STORAGE BATTERY AND METHOD OF
MANUFACTURING THE SAME

* * * * *

July 23, 2003

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

AMENDMENT

Responsive to the Official Action dated April 23, 2003, please amend the
above-identified application as follows:

IN THE ABSTRACT

Please amend the Abstract as follows:

a | An electrode for the alkaline storage battery ~~according to this invention~~ includes a binding agent containing thermoplastic xylene-formaldehyde resin. Since the thermoplastic xylene-formaldehyde resin is non-aqueous, it ~~will be~~ is not dissolved into ~~water moisture~~ in the air or the alkaline electrolyte within the battery. ~~In this case, the removal of the active material during the process of manufacturing the electrode or within the battery can be prevented by any of the techniques of~~ The electrode is prepared by immersing the an active-material-applied or -filled electrode substrate in the a solution of in which the thermoplastic xylene-formaldehyde resin is dissolved; immersing it in the an emulsion of the thermoplastic xylene-formaldehyde resin with an emulsifier; and or applying or filling a slurry of the active material slurry with the an emulsion of the thermoplastic xylene-formaldehyde resin to or in the electrode substrate. Thus, t ~~The electrode can provided which is free from removal of an~~ retains the active material using a binding agent which ~~is~~ has excellent adhesion to the active material and ~~gives a~~ imparts high binding capacity of the active materials with one another.

In re Patent Application of

Atty Dkt. 249-174

C# M#

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Group Art Unit: 1746

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Title: ELECTRODE FOR ALKALINE STORAGE BATTERY AND METHOD OF MANUFACTURING THE SAME

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Mail Stop Non-Fee Amendment

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

RESPONSE/AMENDMENT/LETTER

This is a response/amendment/letter in the above-identified application and includes an attachment which is hereby incorporated by reference and the signature below serves as the signature to the attachment in the absence of any other signature thereon.

☒ **Correspondence Address Indication Form Attached.**

Fees are attached as calculated below:

Total effective claims after amendment	7	minus highest number		
previously paid for	22	(at least 20) =	0 x \$ 18.00	\$ 0.00

Independent claims after amendment	1	minus highest number		
previously paid for	3	(at least 3) =	0 x \$ 84.00	\$ 0.00

If proper multiple dependent claims now added for first time, add \$280.00 (ignore improper)	\$ 0.00
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Petition is hereby made to extend the current due date so as to cover the filing date of this paper and attachment(s) (\$110.00/1 month; \$410.00/2 months; \$930.00/3 months)	\$ 0.00
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Terminal disclaimer enclosed, add \$ 110.00	\$ 0.00
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<input type="checkbox"/> First/second submission after Final Rejection pursuant to 37 CFR 1.129(a) (\$750.00)	\$ 0.00
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☐ Please enter the previously unentered , filed

☐ Submission attached

Subtotal \$ 0.00

If "small entity," then enter half (1/2) of subtotal and subtract	-\$ 0.00
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☐ Applicant claims "small entity" status. ☐ Statement filed herewith

Rule 56 Information Disclosure Statement Filing Fee (\$180.00)	\$ 0.00
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Assignment Recording Fee (\$40.00)	\$ 0.00
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Other: Copy of marked up specification and copy of revised specification	0.00
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TOTAL FEE ENCLOSED \$ 0.00

The Commissioner is hereby authorized to charge any deficiency, or credit any overpayment, in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Account No. 14-1140. A duplicate copy of this sheet is attached.

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NIXON & VANDERHYTE P.C.
By Atty: Arthur R. Crawford, Reg. No. 25,327

Signature: _____

Arthur R. Crawford